

**-- ABSTRACT**

A process for producing oxygenated products from an olefin-rich feedstock comprise reacting, in a hydroformylation stage, a Fischer-Tropsch derived olefinic product comprising linear and methyl branched olefins, with carbon monoxide and hydrogen in the presence of a catalytically effective quantity of a hydroformylation catalyst and under hydroformylation reaction conditions, to produce oxygenated products comprising linear and methyl branched aldehydes and/or alcohols. The Fischer-Tropsch derived olefinic product is that obtained by subjecting a synthesis gas comprising carbon monoxide (CO) and hydrogen (H<sub>2</sub>) to Fischer-Tropsch reaction conditions in the presence of a Fischer-Tropsch catalyst.--